

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

1/20

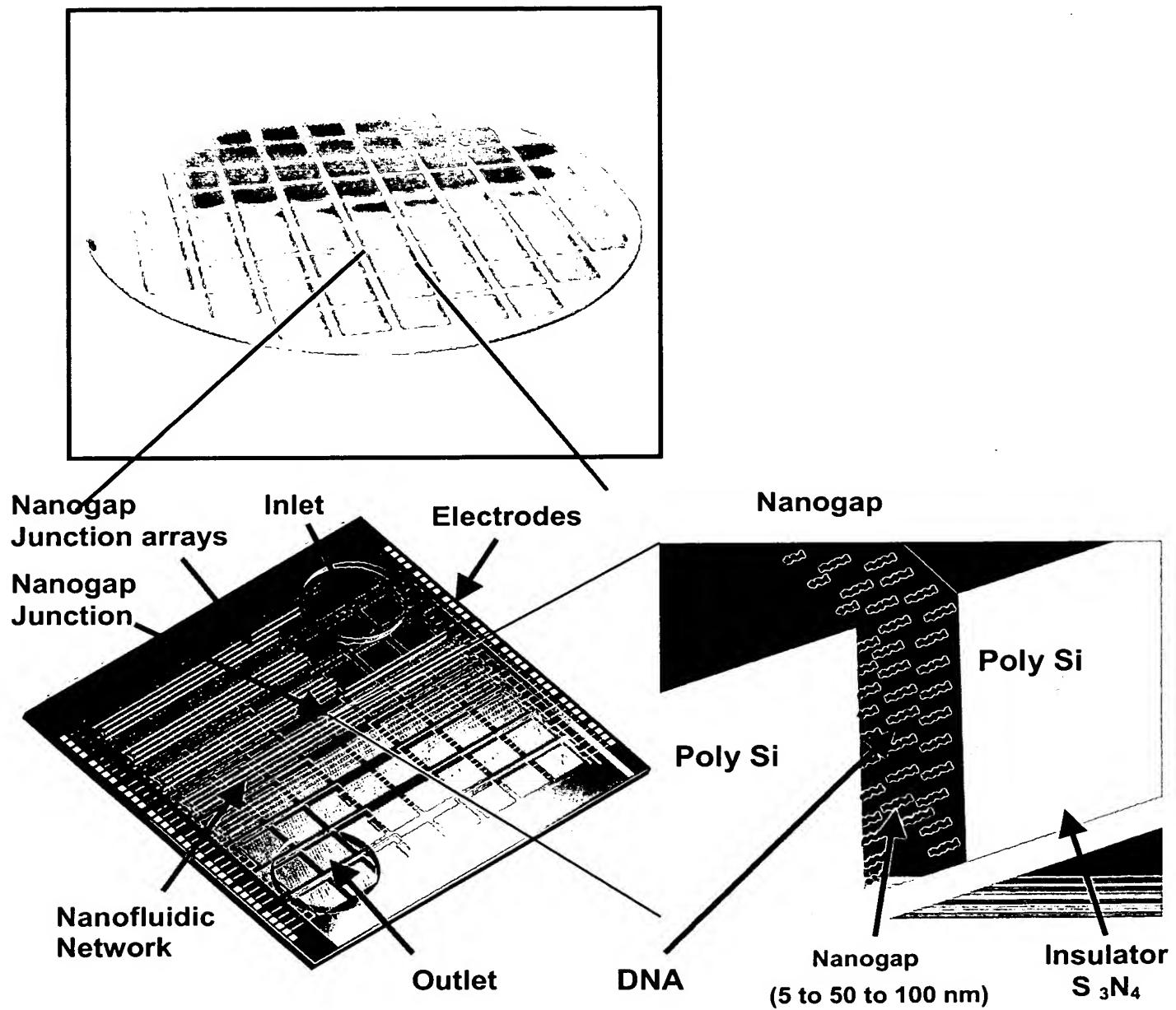


FIG. 1

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

2/20

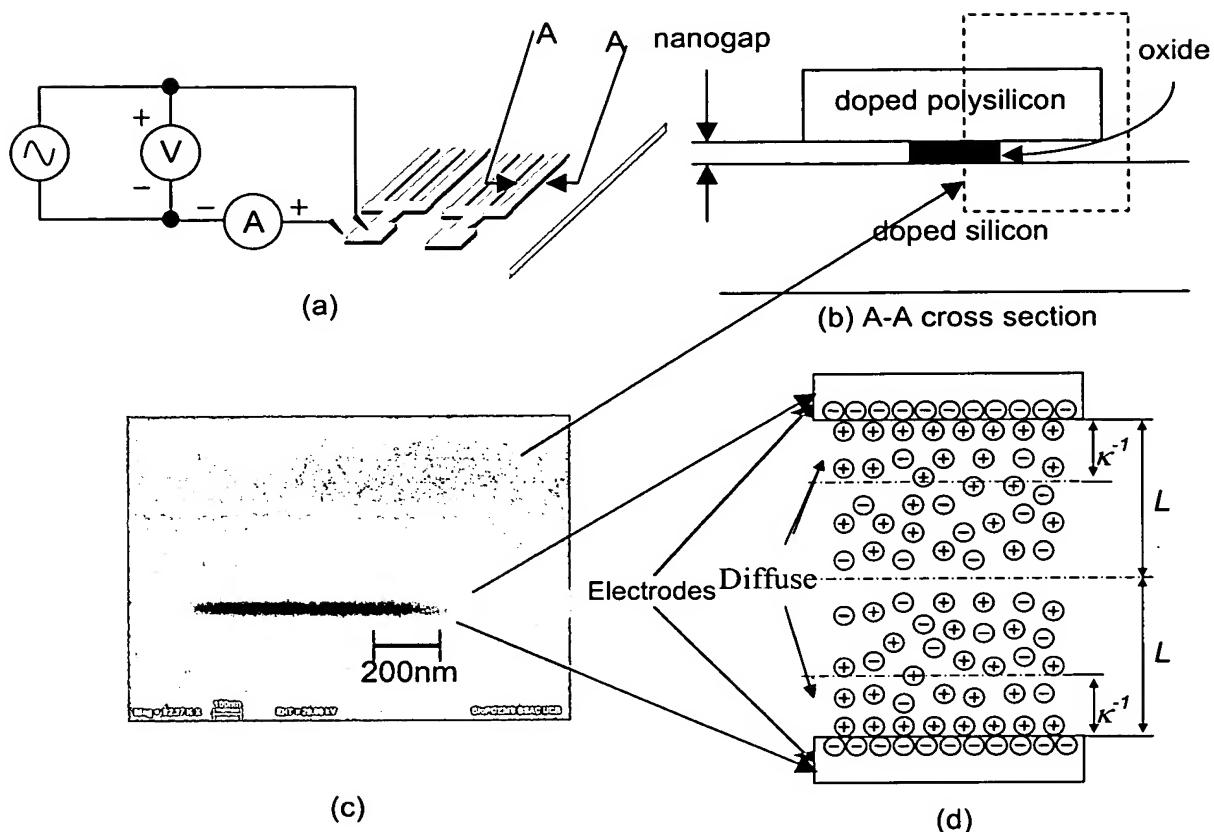


FIG. 2

3/20

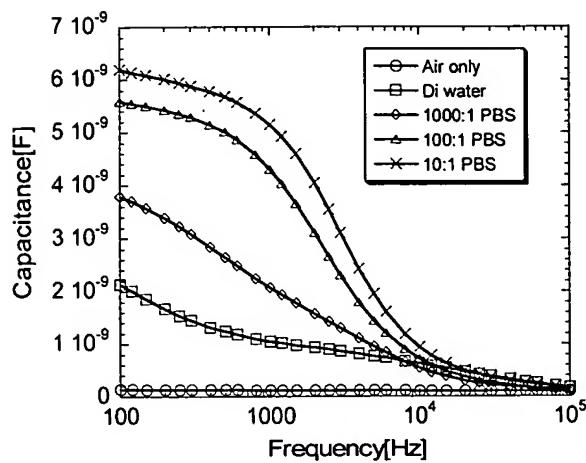


FIG. 4

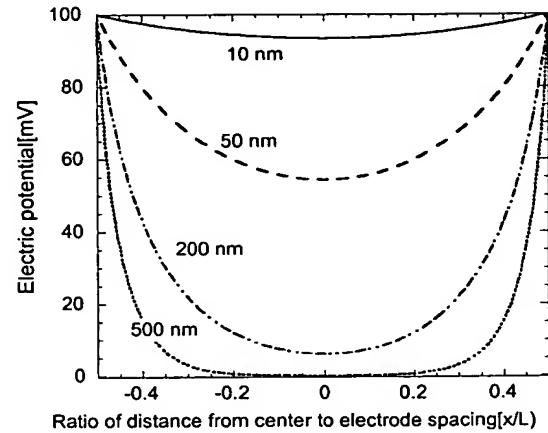


FIG. 3

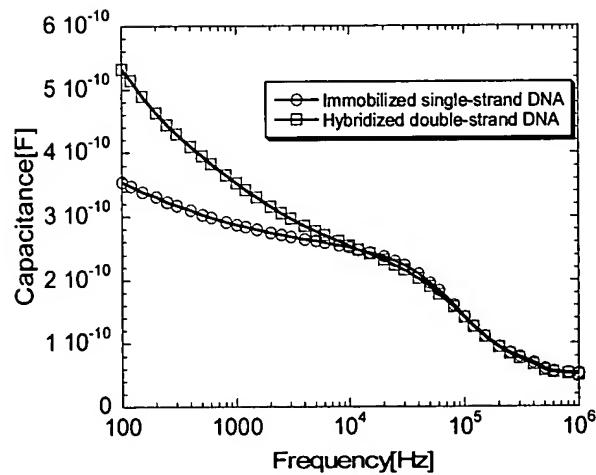


FIG. 6

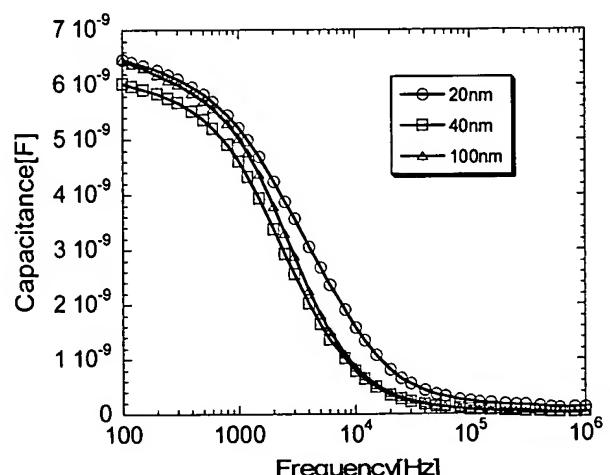


FIG. 5

4/20

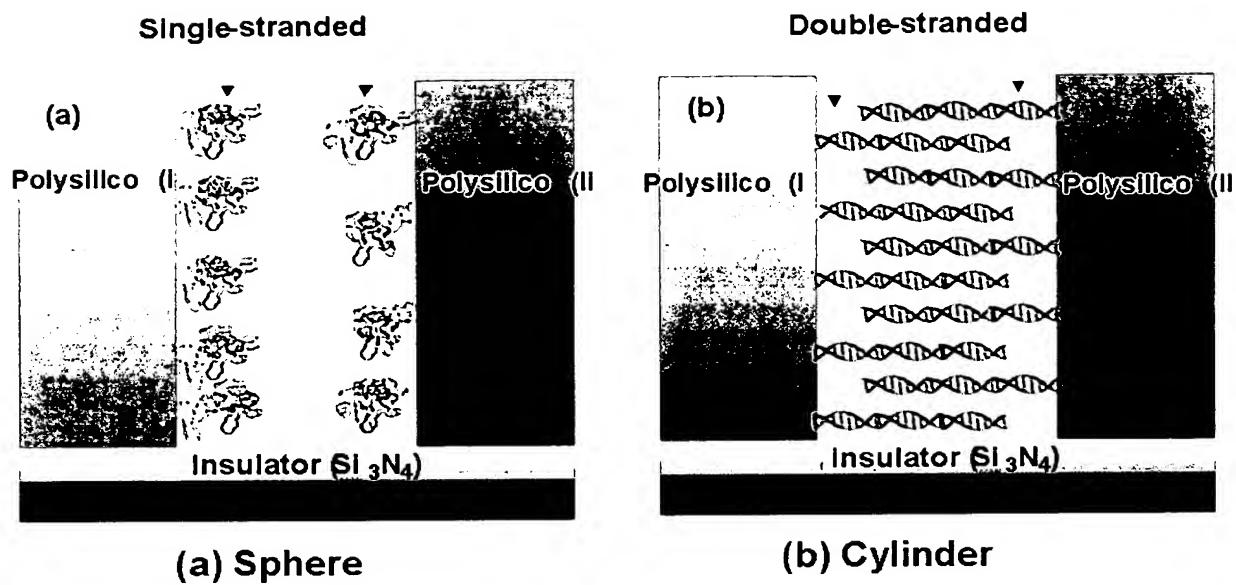


FIG. 7

5/20

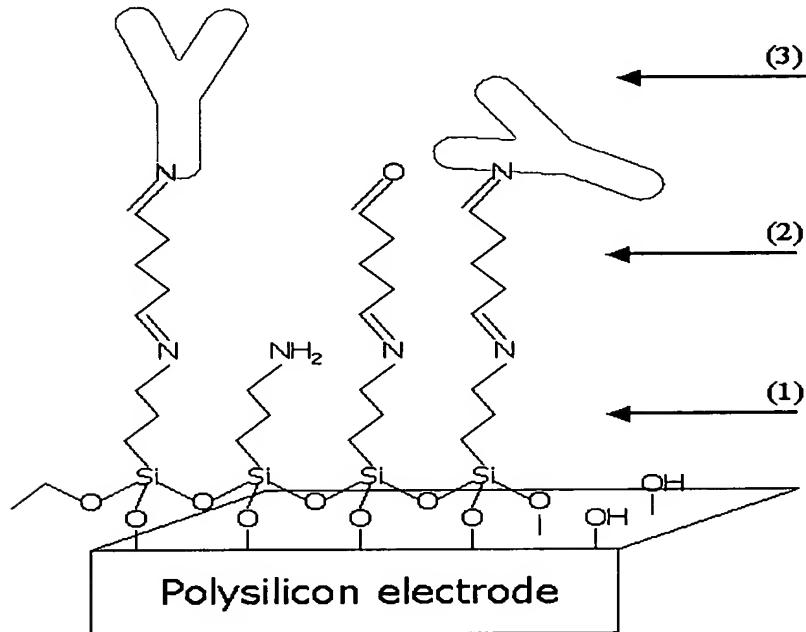


FIG. 8A

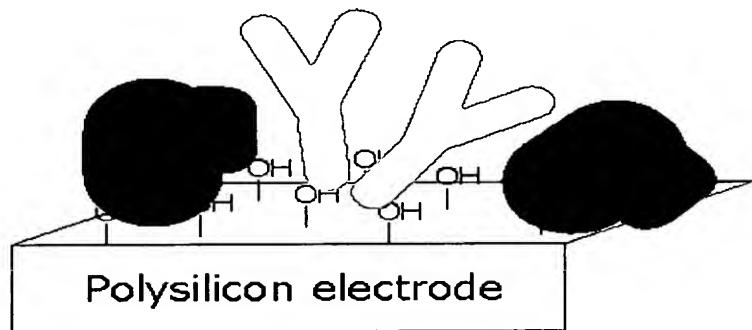


FIG. 8B

6/20

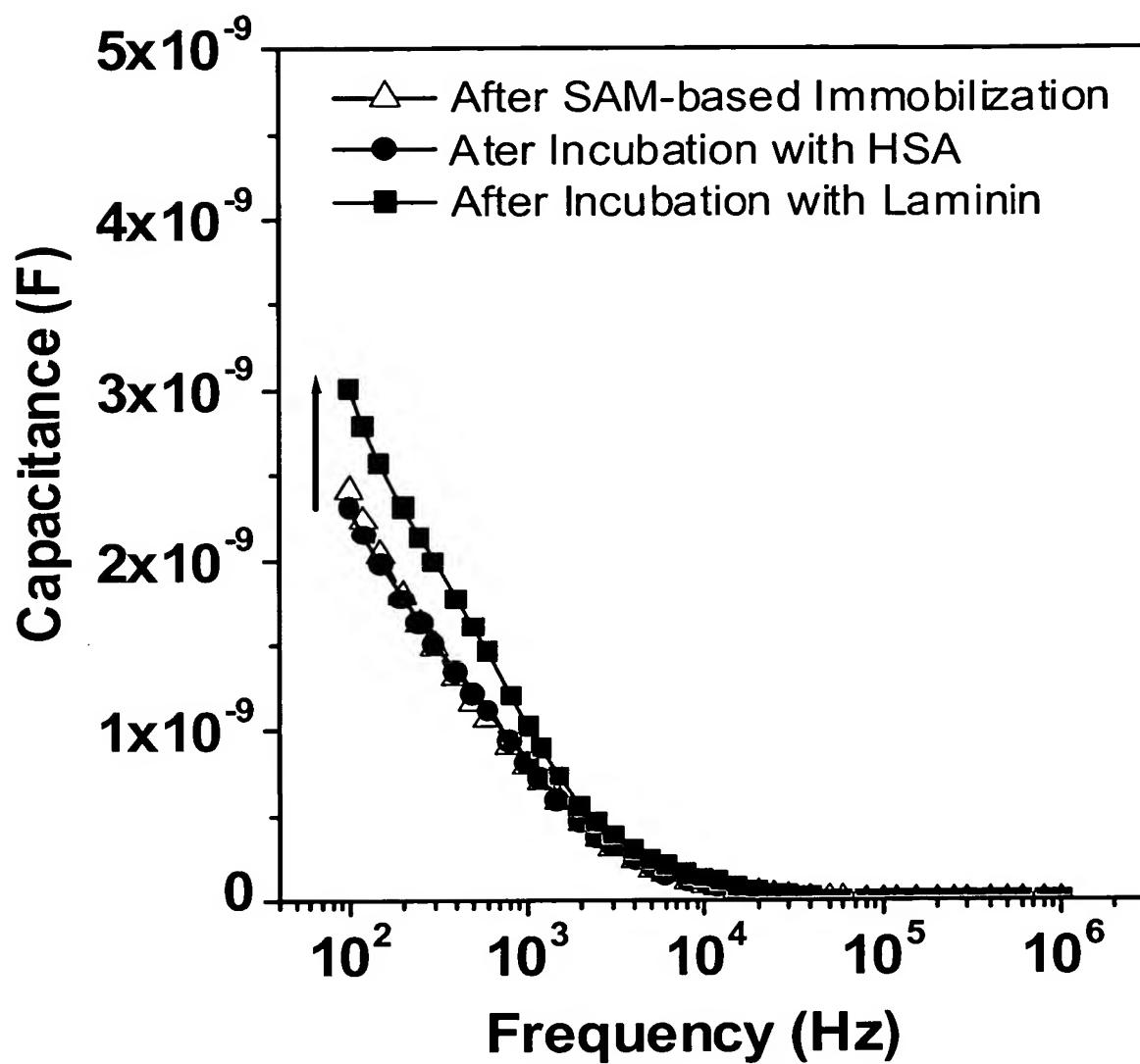


FIG. 9

7/20

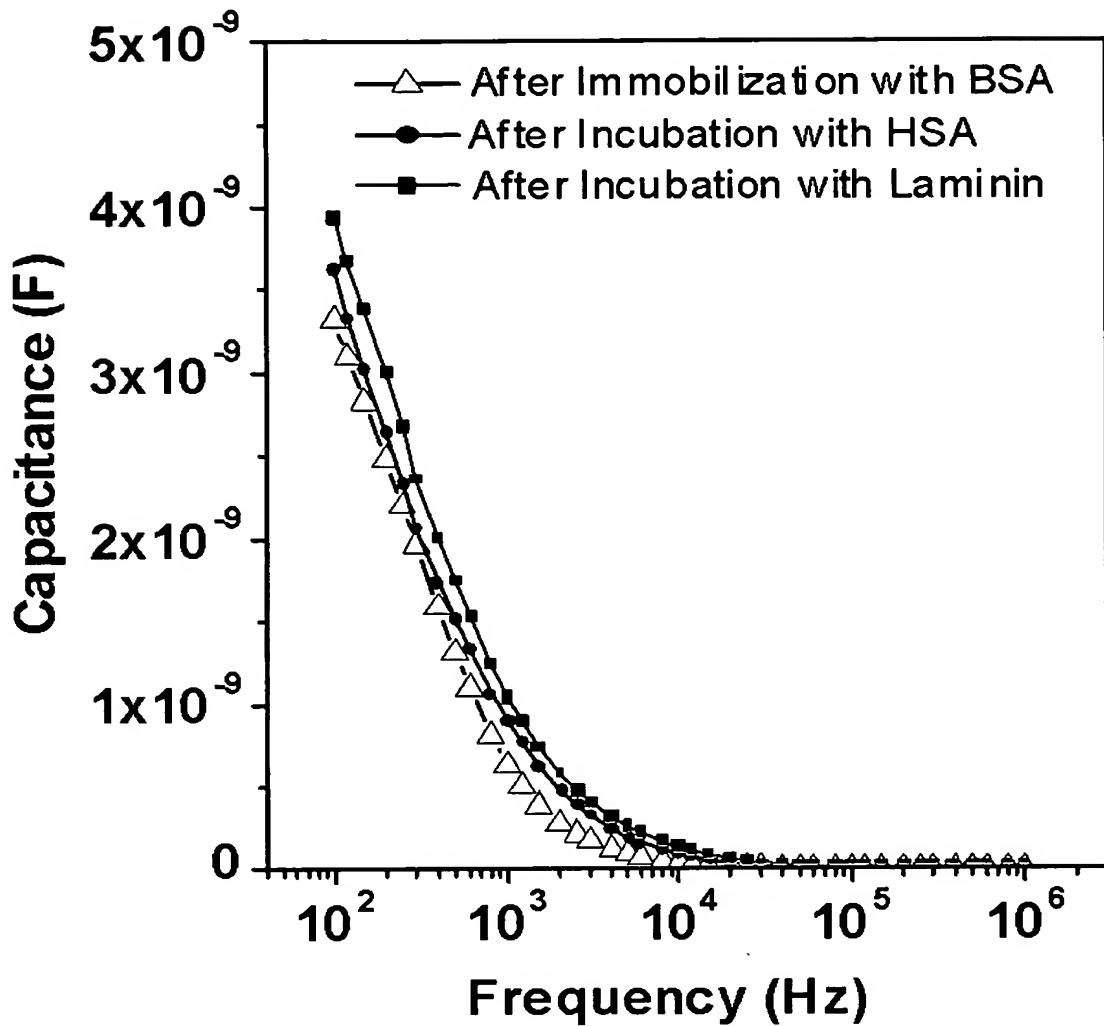


FIG. 10

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

8/20

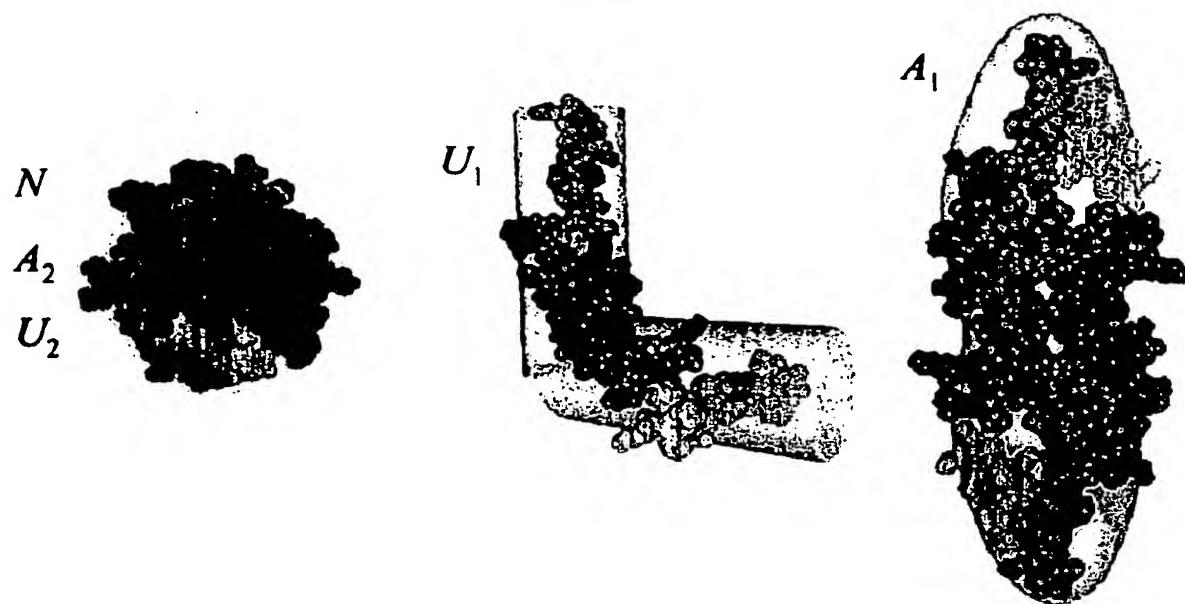


FIG. 11

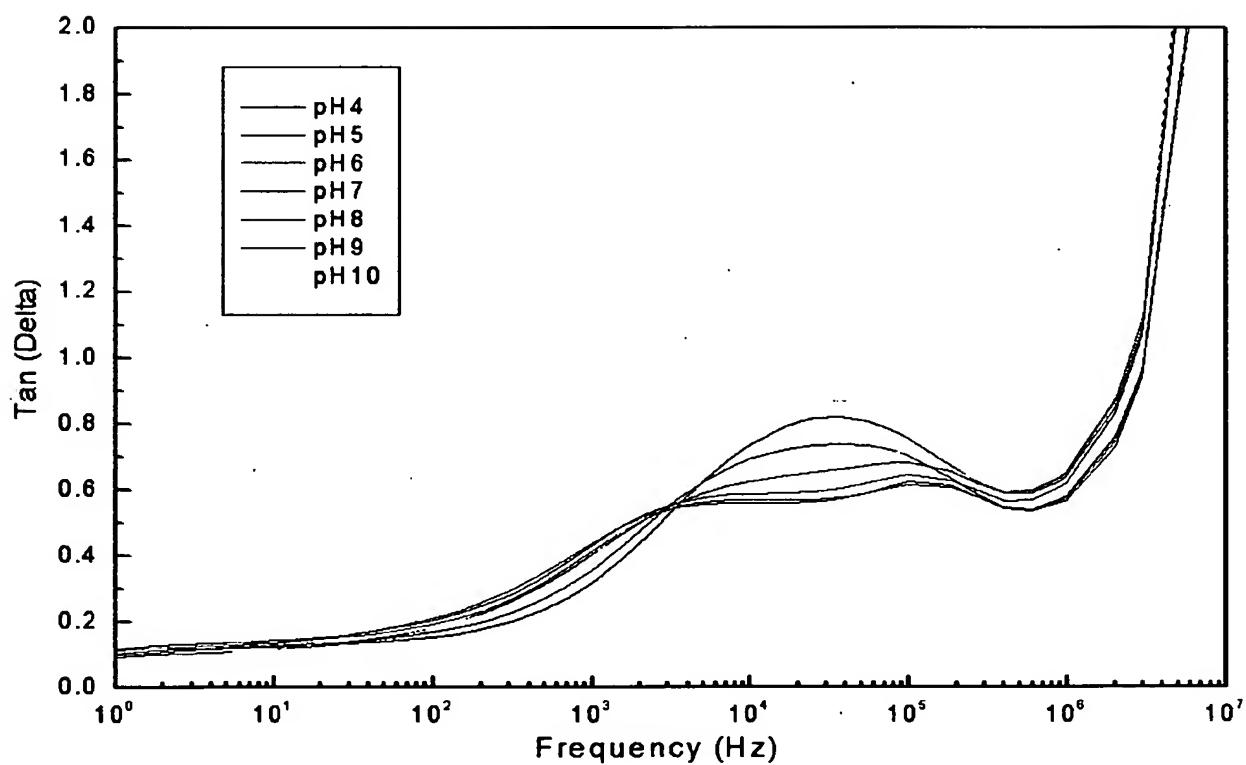
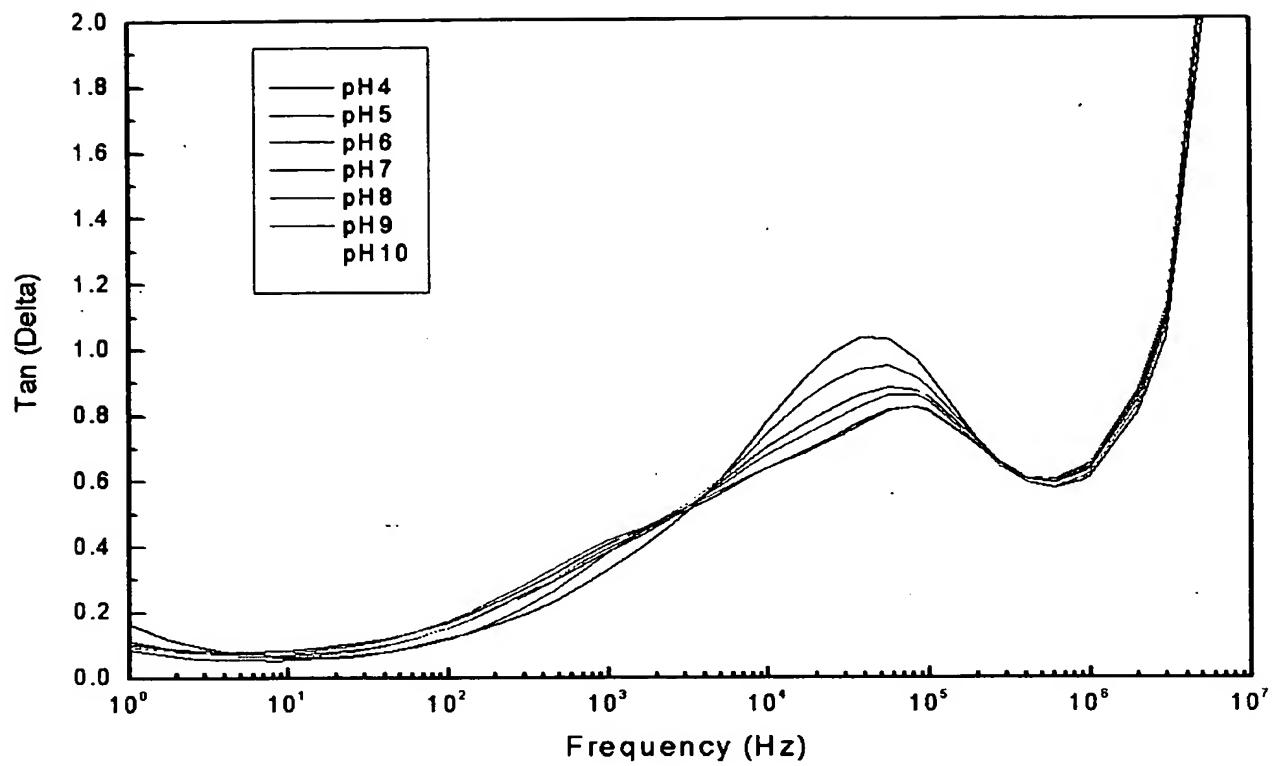
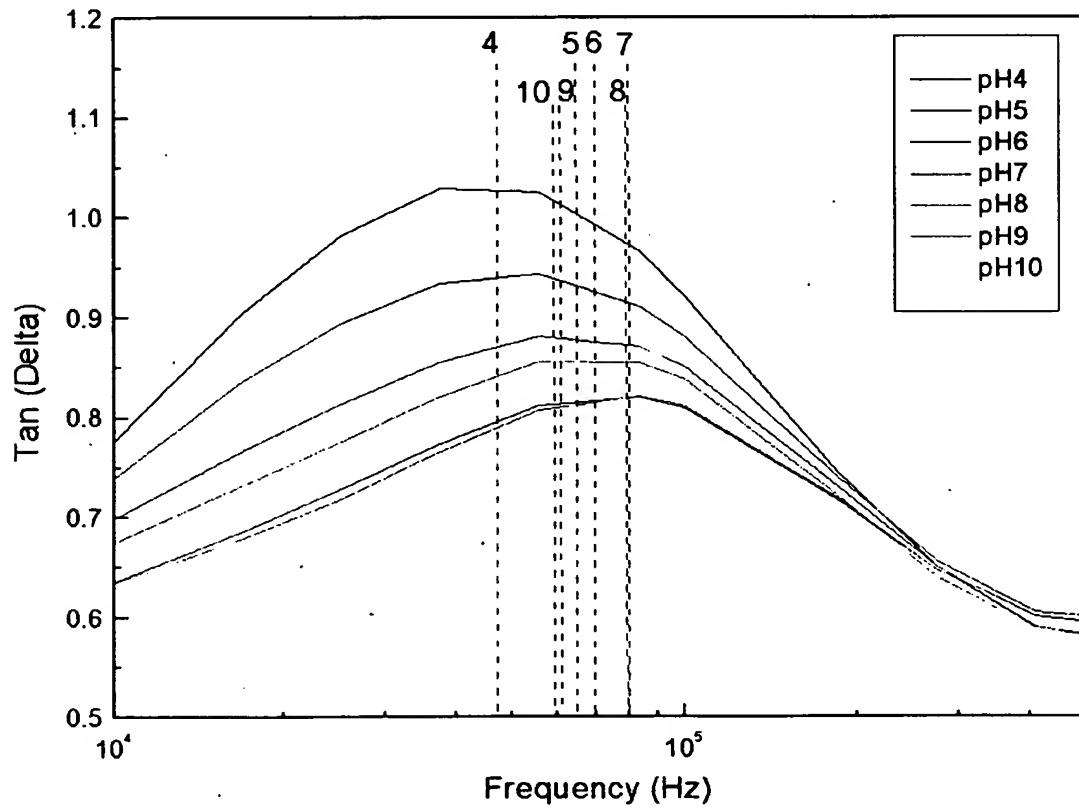


FIG. 12

**FIG. 13****FIG. 14**

10/20

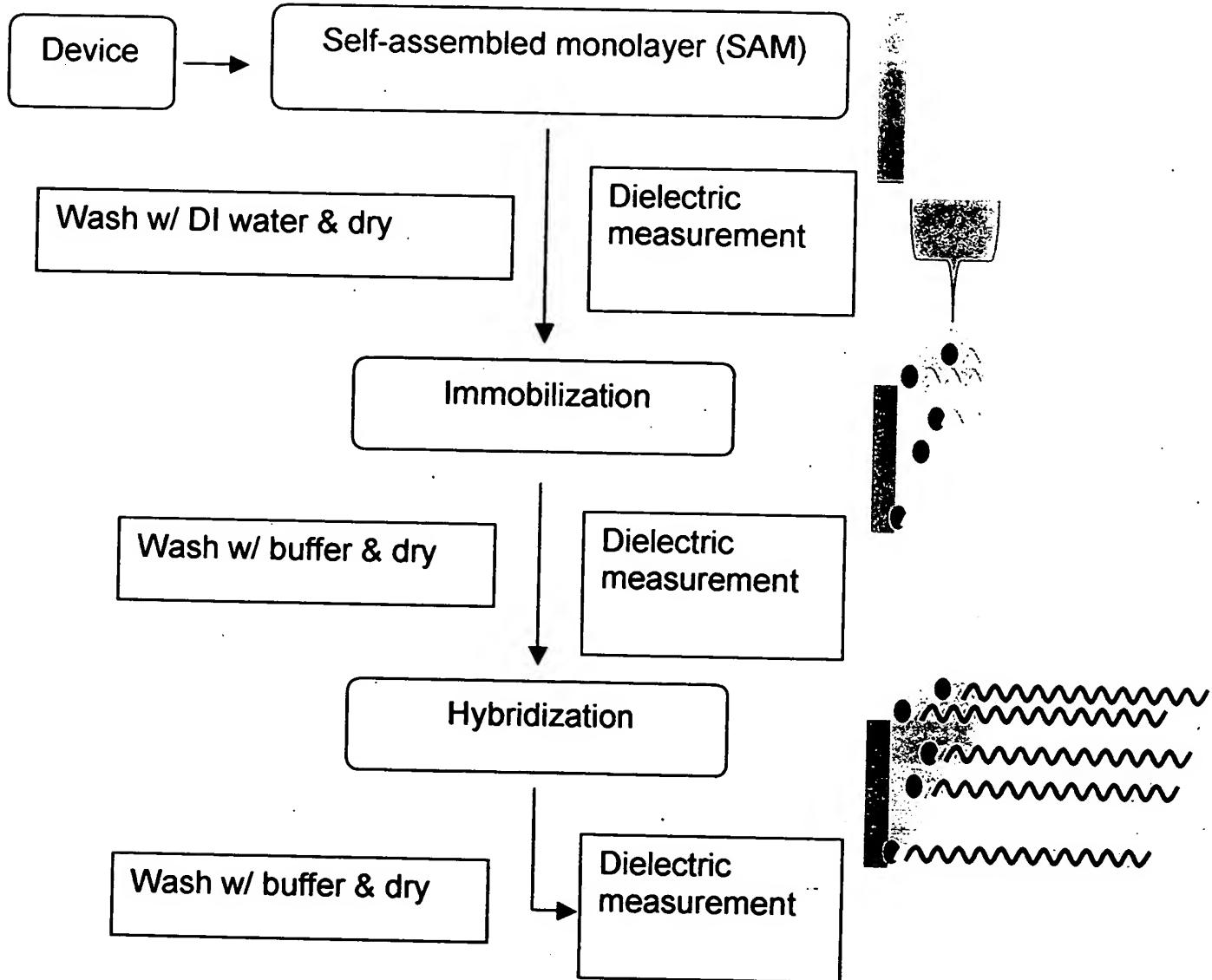


FIG. 15

9/20

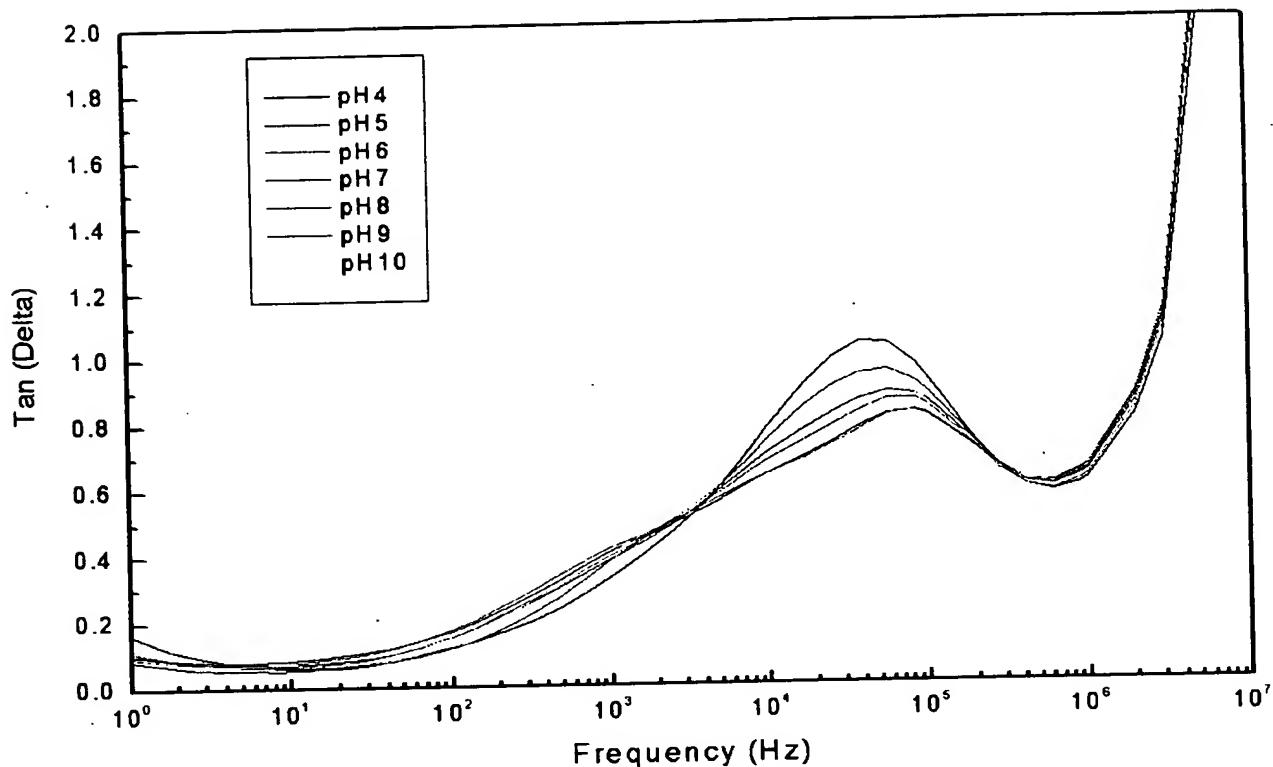


FIG. 13

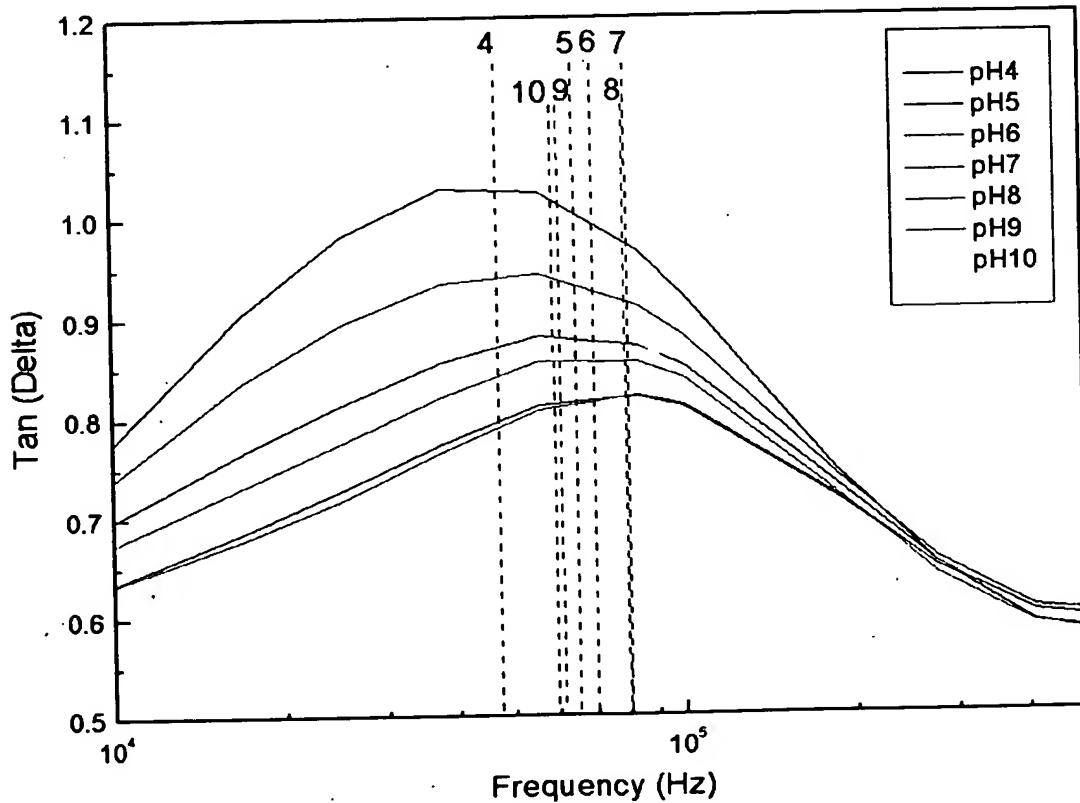


FIG. 14

11/20

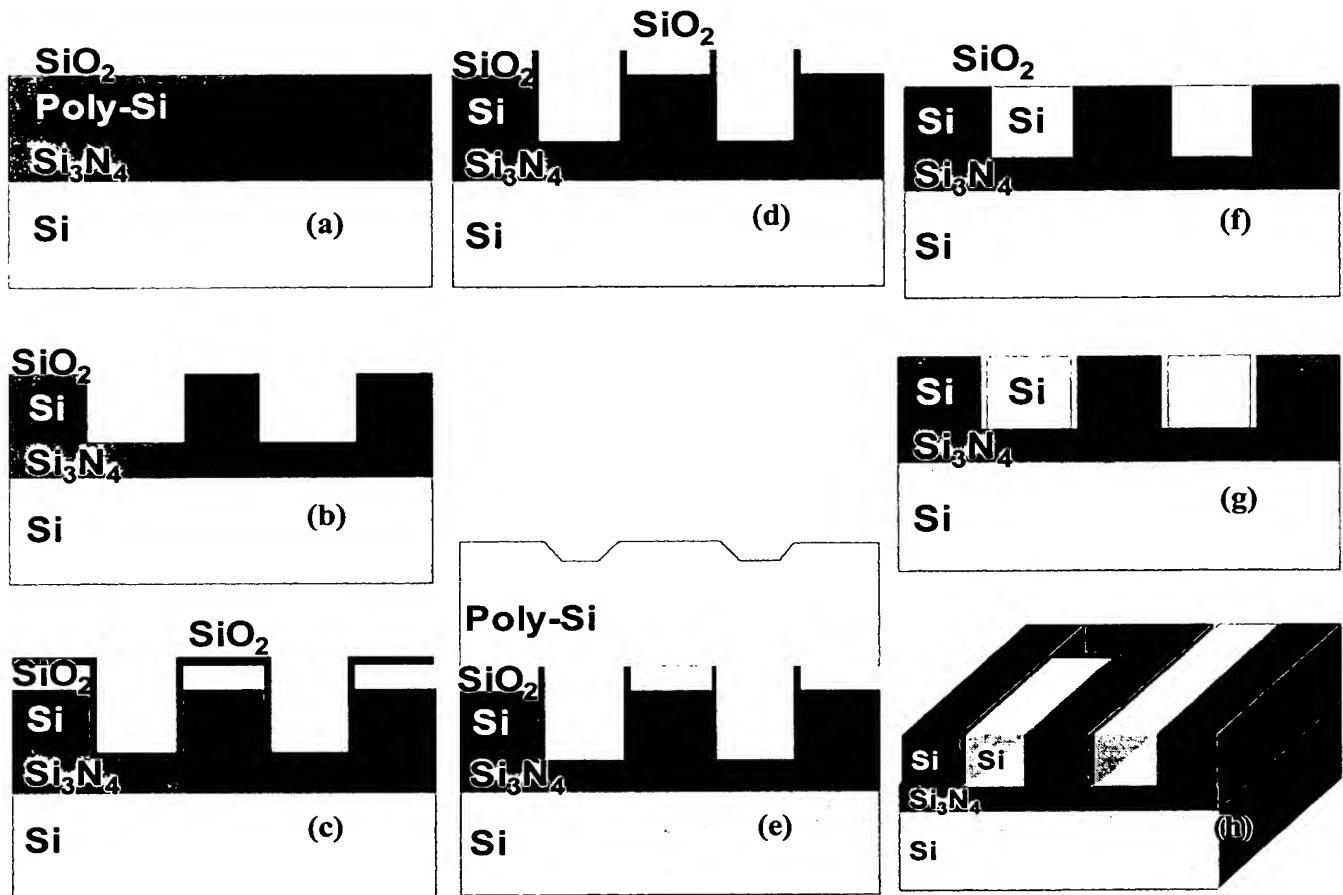


FIG. 16

12/20

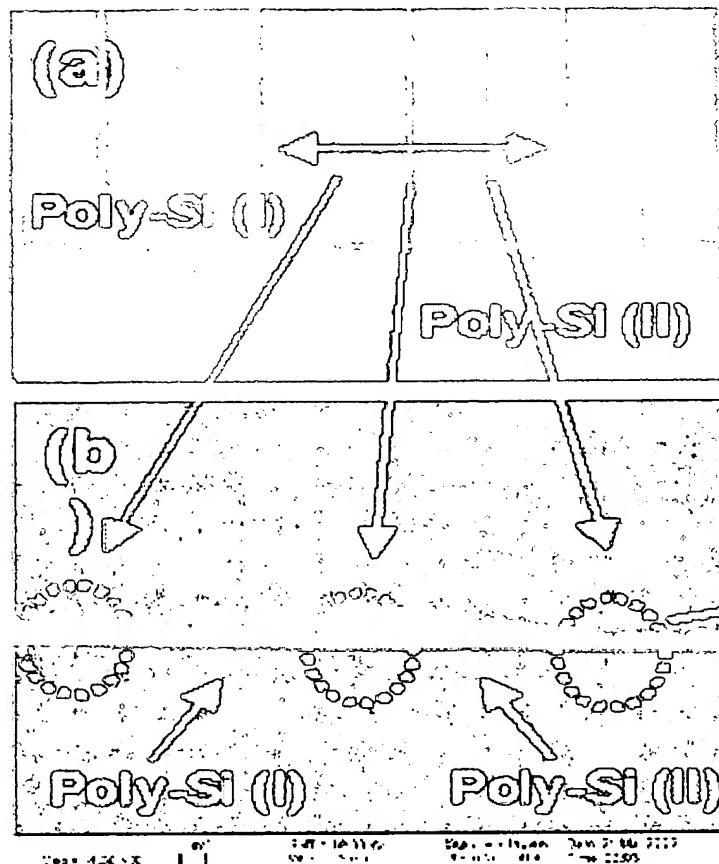


FIG. 17A

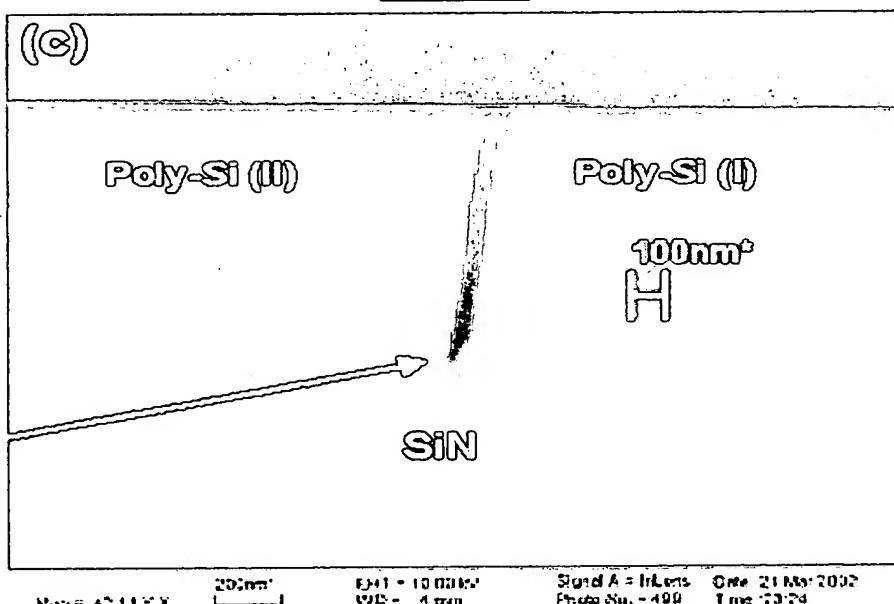


FIG. 17B

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

13/20

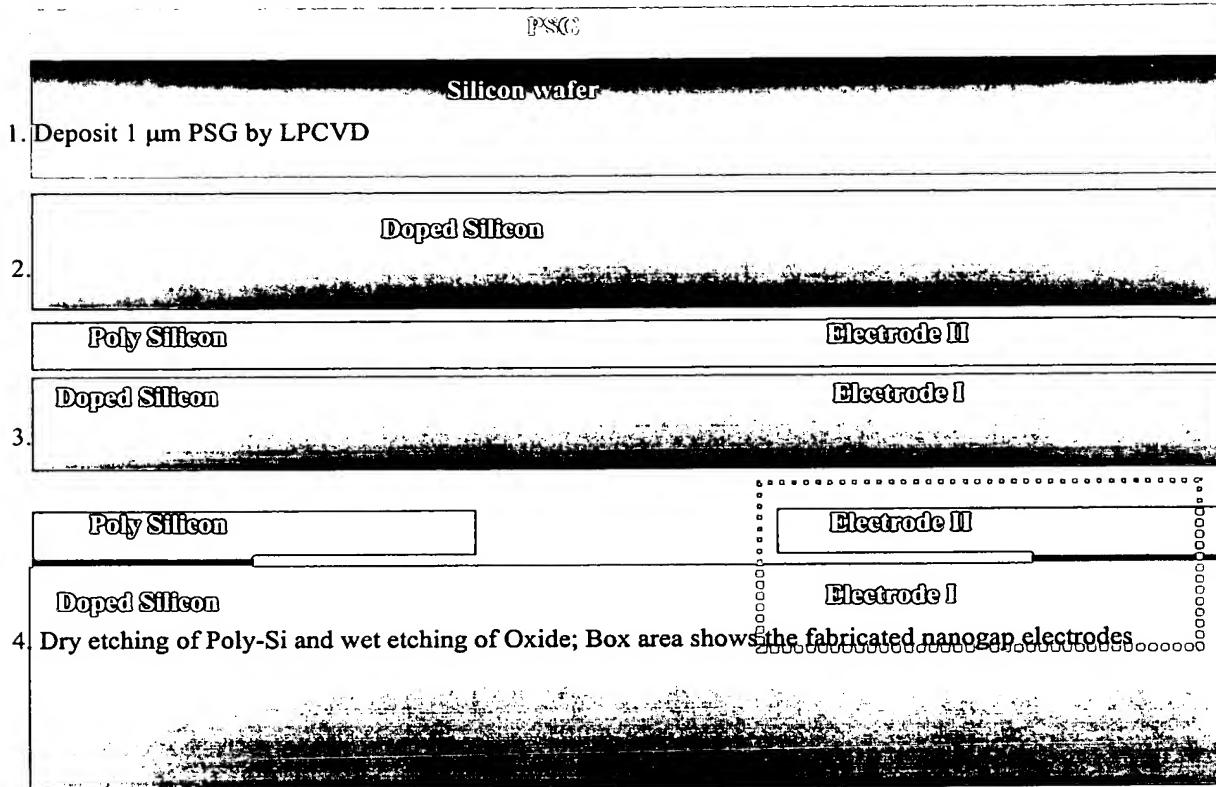


FIG. 18

14/20

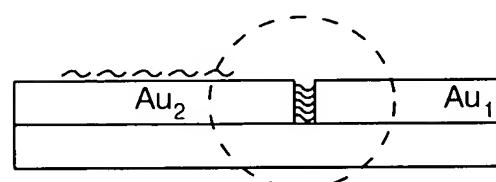
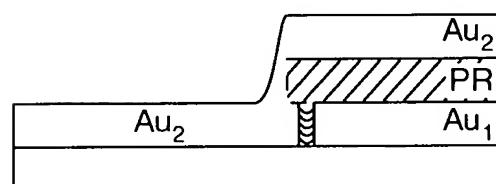
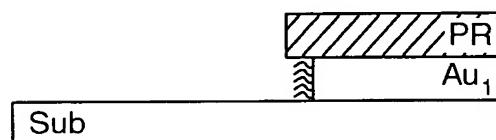
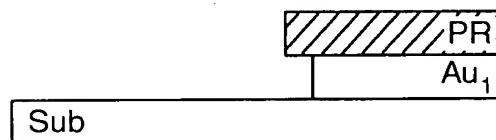
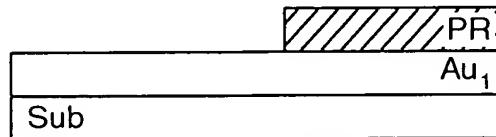
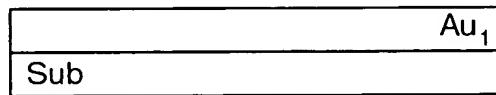


FIG. 19

15/20

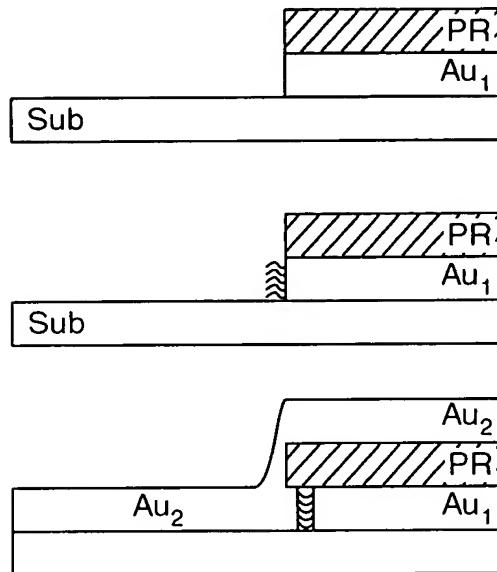


FIG. 20

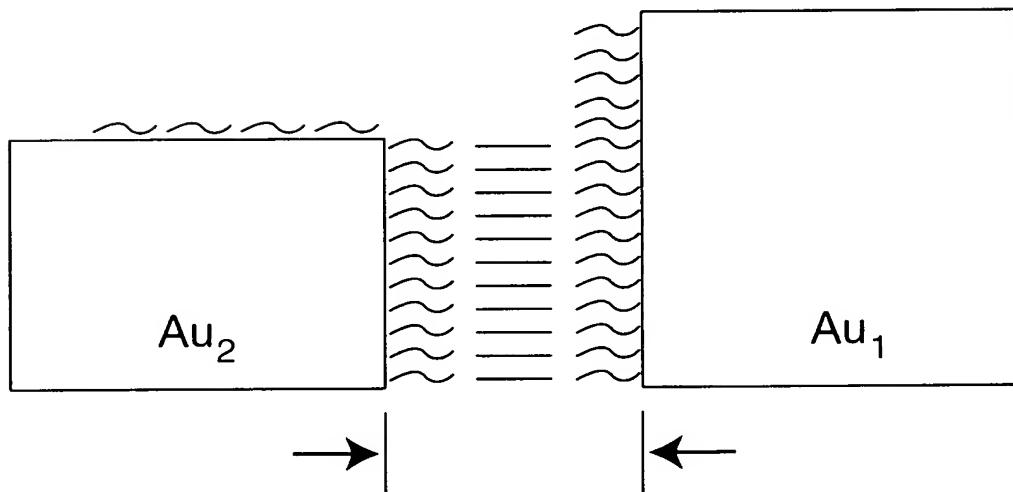


FIG. 21

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

16/20

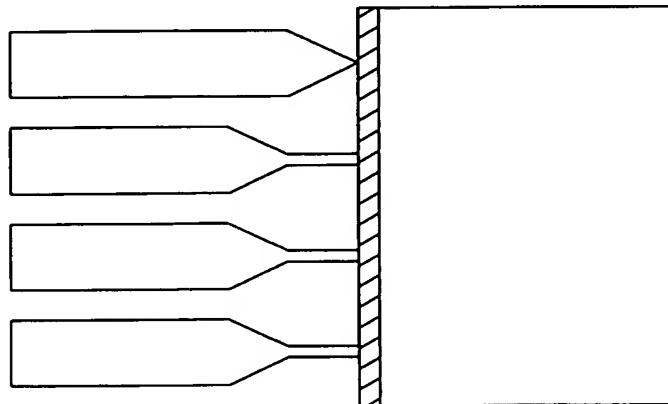


FIG. 22

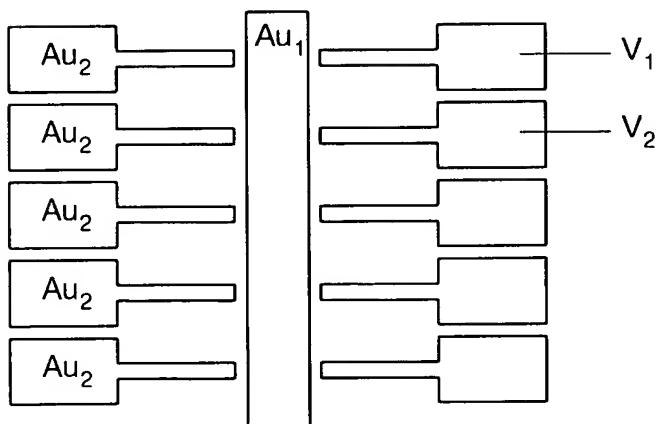
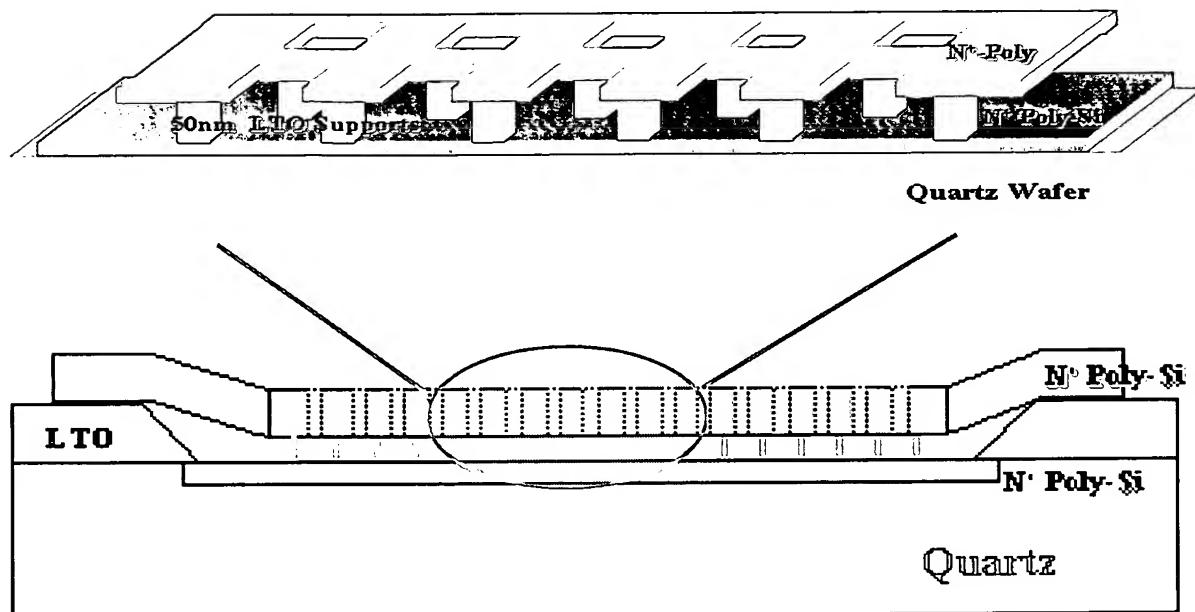


FIG. 23

17/20



Fluorescent Microscope

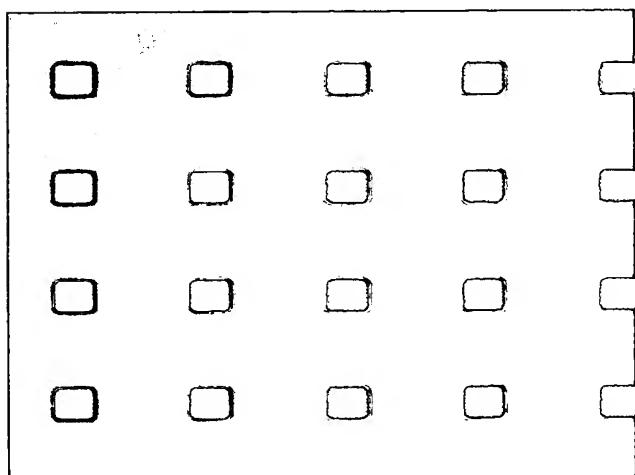


FIG. 24

METHOD AND APPARATUS FOR NANOGAP DEVICE AND ARRAY
Luke P. Lee Filed 29-Mar-04
QIPLG Attorney Docket No.: 313S.300610US/PC; SJL Tel. No. 510-337-7871

18/20

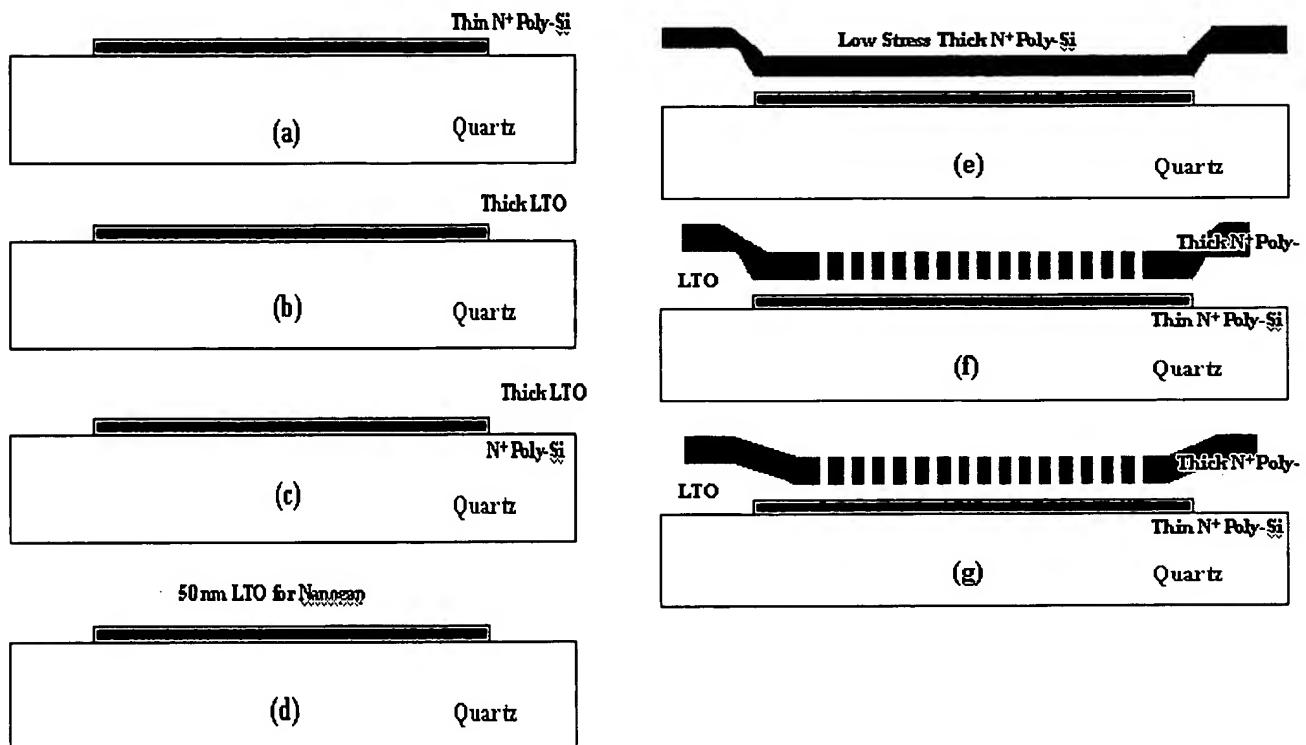


FIG. 25

19/20

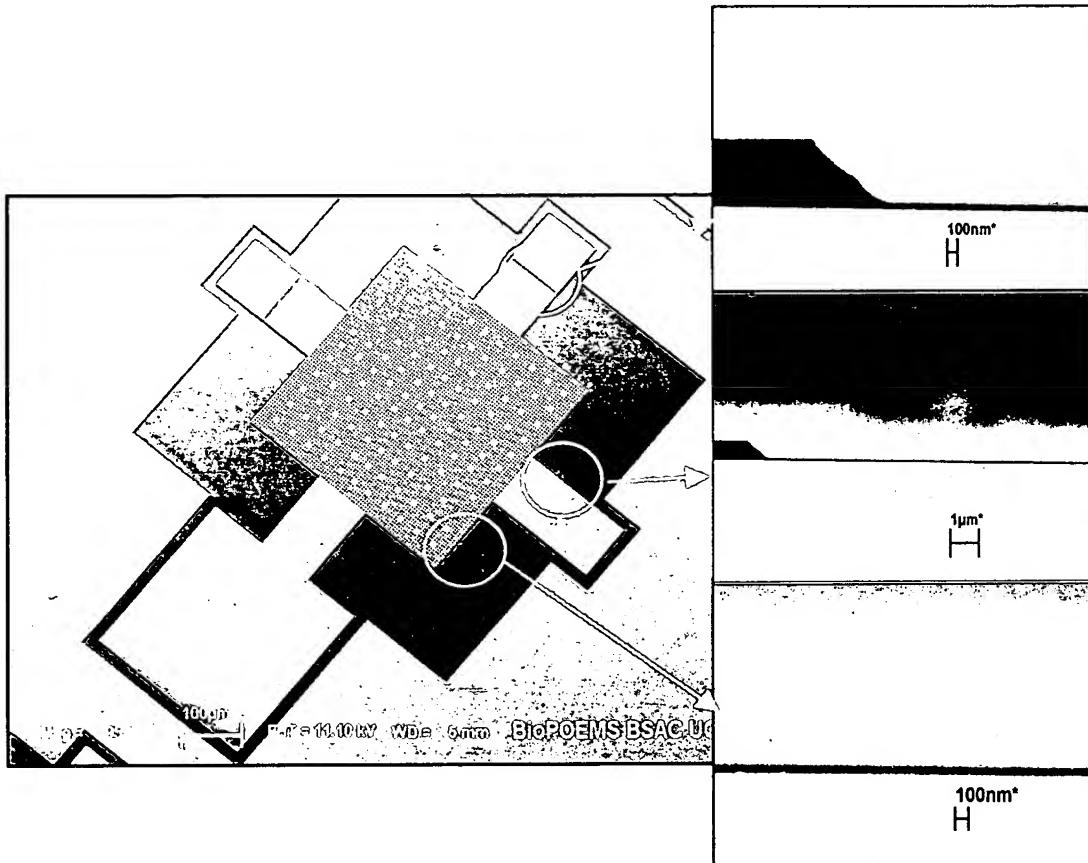


FIG. 26

20/20

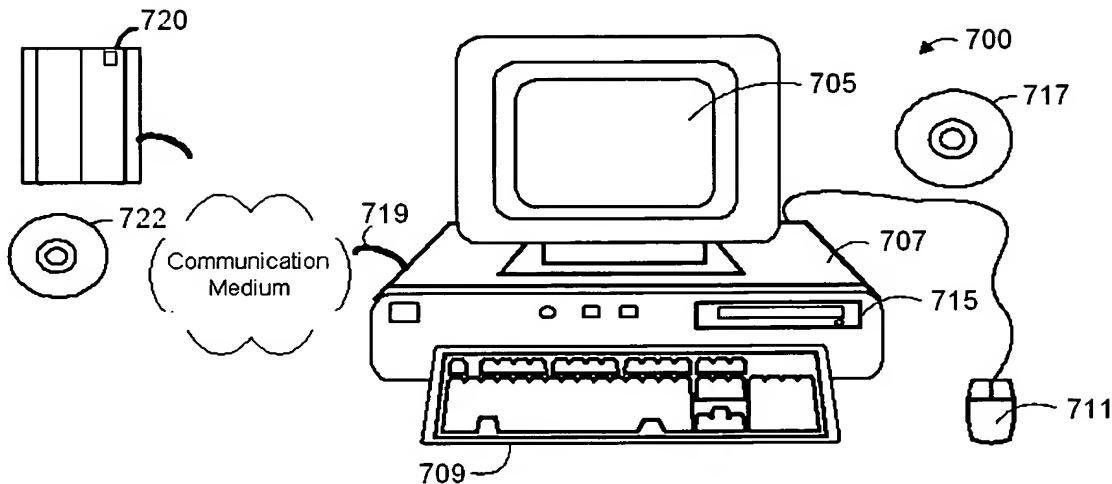


FIG. 27

<i>Disease Classification</i>	<i>Disease</i>
<u>Cardiovascular Disease</u>	Atherosclerosis; Unstable angina; Myocardial Infarction; Restenosis after angioplasty or other percutaneous intervention; Congestive Heart Failure; Myocarditis; Endocarditis; Endothelial Dysfunction; Cardiomyopathy
<u>Endocrine Disease</u>	Diabetes Mellitus I and II; Thyroiditis; Addisson's Disease
<u>Infectious Disease</u>	Hepatitis A, B, C, D, E; Malaria; Tuberculosis; HIV; Pneumocystis Carinii; Giardia; Toxoplasmosis; Lyme Disease; Rocky Mountain Spotted Fever; Cytomegalovirus; Epstein Barr Virus; Herpes Simplex Virus; Clostridium Difficile Colitis; Meningitis (all organisms); Pneumonia (all organisms); Urinary Tract Infection (all organisms); Infectious Diarrhea (all organisms)
<u>Angiogenesis</u>	Pathologic angiogenesis; Physiologic angiogenesis; Treatment induced angiogenesis
<u>Inflammatory/Rheumatic Disease</u>	Rheumatoid Arthritis; Systemic Lupus Erythematosus; Sjogren's Disease; CREST syndrome; Scleroderma; Ankylosing Spondylitis; Crohn's; Ulcerative Colitis; Primary Sclerosing Cholangitis; Appendicitis; Diverticulitis; Primary Biliary Sclerosis; Wegener's Granulomatosis; Polyarteritis nodosa; Whipple's Disease; Psoriasis; Microscopic Polyanangiitis; Takayasu's Disease; Kawasaki's Disease; Autoimmune hepatitis; Asthma; Churg-Strauss Disease; Beurer's Disease; Raynaud's Disease; Cholecystitis; Sarcoidosis; Asbestosis; Pneumoconioses
<u>Transplant Rejection</u>	Heart; Lung; Liver; Pancreas; Bowel; Bone Marrow; Stem Cell; Graft versus host disease; Transplant vasculopathy
<u>Leukemia and Lymphoma</u>	

FIG. 28. (TABLE 1)